

Special Issue

Remote Sensing of Permafrost Environment Dynamics

Message from the Guest Editors

The thawing of permafrost due to global warming is an increasing problem and the consequences of the release of greenhouse gases, altered landscapes, and crumbling infrastructures due to unstable ground are already starting to cause devastating effects on ecosystems and communities living within these regions. The monitoring of these phenomena often requires the use of remote sensed (optical, thermal, and/or radar) data where access to a site of interest is often time consuming and costly. Furthermore, new sensor technologies with high spatial and temporal resolutions and advanced remote sensing data processing capacities create new opportunities for periglacial studies. This Special Issue aims to present new and/or innovative methods/approaches/products to characterize the permafrost environment dynamics using remote sensing data. We welcome original manuscripts that use different remotely sensed data available from field to satellite-borne sensors for describing the characteristics and dynamics of permafrost environments. Submissions using multiple scales and time series data together with field observations and measurements are encouraged.

Guest Editors

Dr. Stéphane Guillaso

Dr. Franck Garestier

Dr. Elena Zakharova

Dr. Thomas Schmid

Deadline for manuscript submissions

closed (31 December 2019)



Remote Sensing

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Impact Factor 4.1
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About the Journal

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Dr. Prasad S. Thenkabail

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